



Release for  
transferred production

DH7-11,

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.034

2-1

75-02-21

ONDERWERP : Release for transferred production in Brive of type:  
DH7-11

The CRT type D7-11 made in Brive has been tested in Eindhoven on several parameters according to the F,L and life test specifications, to come to a:

" Release for transferred production " in Brive.

Annexed reports give test-and measuring-results of the above mentioned CRT -types.

As can be seen from the results, summarised in report RAR 84/75035 dated 75-02-21, these type can be given,

" Release for transferred production " in Brive.

K. Wassenaar.

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ONDERWERP :

3) Summary of L-test results

- batch 1 The electrical and mechanical measurements are satisfactory
- batch 2a The mean value of -Vg1 is rather low, but within tolerances  
b Modulation of some tubes is rather high, but within tolerances  
The remaining electrical and mechanical measurements are satisfactory.
- batch 3 1 Tube -Vg1 and Ik rather low but within tolerances  
The remaining electrical and mechanical measurements are satisfactory.

Remark: Except the faults occurring in the first batches as already mentioned in summary of test II results, the results are good.

4) Summary of lifetest results

- batch 1 The results are satisfactory
- batch 2 The results are satisfactory
- batch 3 2 Tubes Ik after 1000 hours rather low but within tolerances.  
2 Tubes gasvalue good after 1000 hours

Burned over tubes(50.150): 1 tube insulation K/G1 after 1000 hours (to repair gas and/or emission): 1 tube modulation too high after 1000 hours.

Remark: The general impression is good.

5) Conclusion

From the results we conclude that there is no objection against release of C.R.T. type DH7-11 for production and measuring in Brive.

G.Geevers

Copy Messrs.: Dechering  
Menet  
Varekamp  
Wassenaar



RELEASE FOR TRANSFERRED PRODUCTION DH7-11

Received 15 samples.

6 x poor insulation F/G1	2 x 300 $\mu$ A	
	1 x 165 $\mu$ A	
	1 x 140 $\mu$ A	
	1 x 24 $\mu$ A	
	1 x 16 $\mu$ A	Limit $\leq 4 \mu$ A.

Result analysis:

tube number 83

The poor insulation is caused partly by a big getter mirror. The other part is caused by a depositing proces in grid one. Metal and/or barium is deposited on the cathode holder. (wrong sweeping?)

2 x gas value too high 72nA  
140nA limit  $\leq$  50nA

1 x modulation too high (black cathode)

1 x If too high 104 mA limit  $\leq$  100 mA.

5 x tubes are good.

L test and life test will be measured.

G. Geervers.

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Dechering

Menet

Varekamp

Wassenaar.

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RAR 84/74.141

1

74-10-24

ONDERWERP : Release for transferred production DH7-11 batch 2

Received 65 pieces

marked C23  
E4I

Results 22 pieces good  
33 pieces gasvalue too high  
6 pieces modulation too high  
2 pieces dirt in diaphragm.  
1 piece spot burned in  
1 piece stains in powder

39 pieces for sweeping to the factory.

After sweeping and 1 week shelflife test

33 pieces good  
6 pieces gascross

Total results after repair: 55 ex good, 10 rejected

G.Geevers.

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RAR 84/74.142

3-1

74-11-08

ONDERWERP : Release for transferred production DH7-11

Batch 3

Received 35 pieces

marked C23  
E4I

Results: 26 pieces gasvalue too high  
1 piece spotcharging Y  
2 " dirt in diaphragm  
1 " modulation too high  
5 " good

From this batch 10 pieces swept again in Eindhoven.

After sweeping: 1 tube gascross  
1 tube modulation too high  
8 tubes good

Afterwards: 5 tubes on shelflife test for 1 week  
5 tubes on life test for 1 week

The tubes on life test better than before (will be kept on life test untill 1000 hours)

The tubes on shelflife test, no changing of values of the good tubes  
The bad tubes are worse.

Afterwards we have send the lot of 17 tubes for sweeping to the factory ( The rest of the batch )

After 1 week shelflife test

Results: 3 pieces gascross  
14 pieces good

Total results after sweeping in Eindhoven

22 tubes good  
1 tubes spotcharging Y  
2 tubes dirt in diaphragm.  
4 tubes gascross  
1 tube modulation too high  
5 tubes on life test.

G.Geevers

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